What is claimed is:

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		An apparatus	comprising.
1	1.	All apparatus	comprising.

- a first processor that includes a first processor element; and
- a second processor that includes a second processor element, wherein the
- 4 first processor is configured to transmit data to the second processor through a third
- 5 processor, wherein no processor element within the third processor is configured to
- 6 perform a process operation on the data as part of the transmission of the data from
- 7 the first processor to the second processor.
- 1 2. The apparatus of claim 1, wherein the first processor is not directly
- 2 connected with the second processor.
- 1 3. The apparatus of claim 1, wherein no processor element within the third
- 2 processor is involved in the transmission of data from the first processor to the
- 3 second processor through the third processor.
- 1 4. The apparatus of claim 1, wherein the first processor, the second processor
- 2 and the third processor are coupled together in a point-to-point configuration.
- 1 5. An apparatus comprising:
- a first processor that includes a first processor element that is configured to
- 3 perform a first data process operation; and
- 4 a second processor that includes a second processor element that is
- 5 configured to perform a second data process operation based on an output from the
- 6 first data process operation, the first processor to transmit the output from the first
- 7 data process operation to the second processor based on a logical connection that
- 8 includes traversal through a port ring of a third processor, wherein a third processor

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9 element within the third processor is not configured to perform a data process

- operation between the first data process operation and the second data process
- 11 operation.
- 1 6. The apparatus of claim 5, wherein the first processor, the second processor
- 2 and the third processor are part of a number of processors that are in a point-to-point
- 3 configuration.
- 1 7. The apparatus of claim 5, wherein the first processor includes a type of
- 2 hardware accelerator that is not included in the second processor.
- 1 8. The apparatus of claim 5 further comprising,
- an expansion interface to receive data on which the processor element in the
- 3 first processor is to perform the first data process operation; and
- 4 a memory interface unit coupled to a memory that is external to the
- 5 apparatus, wherein the memory is configured to store an output of the second data
- 6 process operation.
- 1 9. The apparatus of claim 8, wherein the first processor element in the first
- 2 processor is configured to perform the first data process operation on data streams
- 3 received into the expansion interface at least simultaneously in part with second data
- 4 process operation performed by the second processor element in the second
- 5 processor.

- 10. An apparatus comprising:
- a number of image signal processors having a number of ports that couple
- 3 the number of image signal processors together in a point-to-point configuration,
- 4 wherein at least one of the number of image signal processors includes a number of
- 5 processor elements and a hardware accelerator; and
- an expansion interface to receive data into the apparatus to be processed by
- 7 the number of image signal processors.

- 1 11. The apparatus of claim 10, wherein a processor element within a source
- 2 image signal processor of the number of image signal processors is to output a result
- 3 of an image process operation to a destination image signal processor of the number
- 4 of image signal processors.
- 1 12. The apparatus of claim 11, wherein the processor element within the source
- 2 image signal processor is configured to output the result of the image process
- 3 operation to the destination image signal processor through a logical connection that
- 4 includes a port of an intermediate image signal processor of the number of image
- 5 signal processors, wherein no processor elements in the intermediate image signal
- 6 processor are configured to process the result of the image process operation prior to
- 7 receipt by the destination image signal processor.
- 1 13. The apparatus of claim 10 further comprising a bus coupled to communicate
- 2 configuration data to the number of image signal processors, wherein the bus is
- 3 independent of the point-to-point configuration.
- 1 14. The apparatus of claim 13, wherein the configuration data includes data to
- 2 establish logical connections between the number of image signal processors.
 - 15. A system comprising:

- 2 a Charge Coupled Device (CCD) sensor to capture an image;
- an image processor that includes a number of processors coupled together in
- 4 a point-to-point configuration, the number of processors to include a number of
- 5 processor elements, wherein the number of processor elements are to process the
- 6 image based on one of a number of image process operations;
- a memory to store at least one output of the execution of the number of
- 8. image process operations by the number of processor elements; and

- 9 a host processor to configure the execution of the number of image process 10 operations within the image processor.
- 1 16. The system of claim 15, wherein the image processor includes a global bus
- 2 that is coupled to the number of processors, the global bus independent of the point-
- 3 to-point connections among the number of processors.
- 1 17. The system of claim 16, wherein the host processor is configured to transmit
- 2 configuration data to the number of processors for generation of a logical
- 3 connection, wherein the logical connection from a source processor to a destination
- 4 processor includes connection paths among at least a part of the number of
- 5 processors to process the image based on the number of image process operations.
- 1 18. The system of claim 17, wherein the processor elements within the at least
- 2 part of the number of processors within the logical connection are not involved in
- 3 the transmission of data from the source processor to the destination processor.
 - 19. A method comprising:
- 2 receiving a stream of data in a first processor having a first processor
- 3 element;

- 4 performing, by the first processor element, image processing operations on
- 5 at least a part of the stream of data; and
- 6 transmitting a result of the image processing operations to a second
- 7 processor through a third processor having a third processor element, independent of
- 8 image processing operations by the third processor element.
- 1 20. The method of claim 19, wherein transmitting the result of the image
- 2 processing operations to the second processor through the third processor includes
- 3 transmitting the result of the image processing operations to the second processor

- 4 through a logical connection that includes transmission through a series of
- 5 processors including the third processor.
- 1 21. The method of claim 19, wherein receiving the stream of data in the first
- 2 processor having the first processor element includes receiving the stream of data in
- 3 the first processor having the first processor element at least simultaneously in part
- 4 with performing, by a second processor element in the second processor, a different
- 5 image processing operation.
 - 22. A method comprising:
- 2 performing, by a first image signal processor within a multi-processor point-
- 3 to-point configuration, the following operations until receipt of image data from an
- 4 image scanning operation is complete,
- 5 executing, by a first processor element in the first image signal
- 6 processor, an image process operation on the image data; and
- 7 transmitting a result of the image process operation to a second
- 8 image signal processor within the multi-processor point-to-point configuration
- 9 through a logical connection that includes a number of ports of a number of other
- different image signal processors within the multi-processor point-to-point
- 11 configuration.

- 1 23. The method of claim 22, wherein transmitting the result of the image process
- 2 operation to the second image signal processor includes transmitting the result of the
- 3 image process operation to the second image signal processor through the logical
- 4 connection, wherein other processing elements in the other different image signal
- 5 processors do not process the image data prior to processing by a second processor
- 6 element in the second image signal processor.
- 1 24. The method of claim 22 further comprising receiving the image data from a
- 2 source that is external to the multi-processor point-to-point configuration.

- 1 25. A machine-readable medium that provides instructions, which when
- 2 executed by a machine, cause said machine to perform operations comprising:
- 3 receiving a stream of data in a first processor having a first processor
- 4 element;
- 5 performing, by the first processor element, image processing operations on
- 6 at least a part of the stream of data; and
- 7 transmitting a result of the image processing operations to a second
- 8 processor through a third processor having a third processor element, independent of
- 9 image processing operations by the third processor element.
- 1 26. The machine-readable medium of claim 25, wherein transmitting the result
- 2 of the image processing operations to the second processor through the third
- 3 processor includes transmitting the result of the image processing operations to the
- 4 second processor through a logical connection that includes transmission through a
- 5 series of processors including the third processor.
- 1 27. The machine-readable medium of claim 25, wherein receiving the stream of
- 2 data in the first processor having the first processor element includes receiving the
- 3 stream of data in the first processor having the first processor element at least
- 4 simultaneously in part with performing, by a second processor element in the
- 5 second processor, a different image processing operation.
- 1 28. A machine-readable medium that provides instructions, which when
- 2 executed by a machine, cause said machine to perform operations comprising:
- 3 recursively performing, by a first image signal processor within a multi-
- 4 processor point-to-point configuration, the following operations until receipt of
- 5 image data from an image scanning operation is complete,
- 6 executing, by a first processor element in the first image signal processor, an
- 7 image process operation on the image data; and

- 8 transmitting a result of the image process operation to a second image signal
- 9 processor within the multi-processor point-to-point configuration through a logical
- 10 connection that includes a number of ports of a number of other different image
- signal processors within the multi-processor point-to-point configuration.
 - 1 29. The machine-readable medium of claim 28, wherein transmitting the result
 - 2 of the image process operation to the second image signal processor includes
 - 3 transmitting the result of the image process operation to the second image signal
 - 4 processor through the logical connection, wherein other processing elements in the
 - 5 other different image signal processors do not process the image data prior to
 - 6 processing by a second processor element in the second image signal processor.
 - 1 30. The machine-readable medium of claim 28 further comprising receiving the
 - 2 image data from a source that is external to the multi-processor point-to-point
 - 3 configuration.